L2: Entry 1 of 3   File: USPT   Jun 6, 2000

DOCUMENT-IDENTIFIER: US 6072050 A
TITLE: Synthetic promoters

DEPV:
SEQ ID NO: 18 set forth the UCP4 promoter sequence (4 copies of Ubil
UAR operably with the core promoter).

☐ 1. Document ID: US 6072050 A

L2: Entry 1 of 3   File: USPT   Jun 6, 2000

US-PAT-NO: 6072050
DOCUMENT-IDENTIFIER: US 6072050 A

TITLE: Synthetic promoters

DATE-ISSUED: June 6, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowen; Benjamin A.	Des Moines	IA	N/A	N/A
Bruce; Wesley B.	Urbandale	IA	N/A	N/A
Lu; Guihua	Urbandale	IA	N/A	N/A
Sims; Lynne E.	Polk	IA	N/A	N/A
Tagliani; Laura A.	Akeny	IA	N/A	N/A

US-CL-CURRENT: 536/24.1; 435/320.1, 435/419, 435/468, 536/23.6, 536/24.2, 800/278, 800/295, 800/298

ABSTRACT:

Synthetic elements for enhancing expression of genes in plant cells are disclosed. These include a promoter with a "TATA to start" sequence containing 64% or greater GC content and an synthetic upstream element incorporating several OCS binding motifs and novel flanking sequences. Upstream activating regions (UARs) are also disclosed that can further increase the constitutive transcriptional activity when they are operably linked to said promoter and/or the synthetic upstream element. In particular, the nucleotide sequence of the UAR of the maize Ubi-1 gene is provided and its use in expression cassettes and vectors containing these promoter elements. Cells and plants transformed with these vectors are further provided. These include a transgenic sunflower expressing an exogenous oxalate oxidase gene at a high level under the transcriptional control of a recombinant promoter having at least one upstream activating region of the 35S CaMV promoter.

15 Claims, 13 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 11

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw. Desc | Image |

☐ 2. Document ID: US 4499575 A

L2: Entry 2 of 3   File: USPT   Feb 12, 1985

US-PAT-NO: 4499575
DOCUMENT-IDENTIFIER: US 4499575 A

TITLE: Group of terminal units for a digital exchange

DATE-ISSUED: February 12, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dupuis; Bernard	Montigny Le Bretonneux	N/A	N/A	FRX
Behague; Francois	Gif Sur Yvette	N/A	N/A	FRX

US-CL-CURRENT: 370/369; 370/387

ABSTRACT:

A group of terminal units (GUT) for a digital exchange having
distributed control residing in control means comprising
microprocessor control units (UC) which are interconnected by means
of the exchanges' time switching network (RXA to RXD). The control
units UC are connected to each other by a duplicated point-to-point
link (RIT1, RIT2) and to the switching network by a coupler (AM)
which is provided with a send/receive circuit that operates using a
semaphore procedure. Each of the terminal units (UT) includes a
control microprocessor (mp) connected to the switching network by a
send-receive circuit (ER) using a semaphore, or question and answer,
procedure. The terminal units (UT) are controlled by the control
units (UC) by interchanging messages using a common procedure for all
the terminal units. These messages are interchanged over channels in
the links that make up the switching network of the exchange.

7 Claims, 13 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 11

☐ 3. Document ID: US 4493076 A

L2: Entry 3 of 3   File: USPT   Jan 8, 1985

US-PAT-NO: 4493076
DOCUMENT-IDENTIFIER: US 4493076 A

TITLE: Security system for a distributed control exchange

DATE-ISSUED: January 8, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Khimeche; Abdel-Cader	Chatenay Malabry	N/A	N/A	FRX
Kemler; Marc	Velizy-Villacoublay	N/A	N/A	FRX

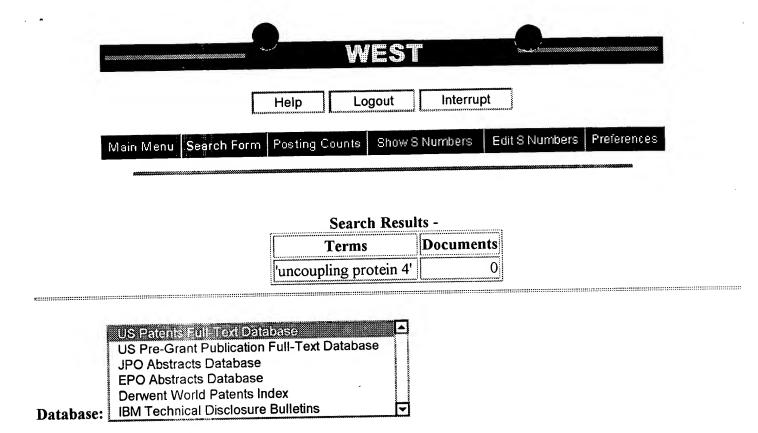US-CL-CURRENT: 714/11; 379/279, 379/284, 379/290

ABSTRACT:

A security system for an exchange having distributed control.
Exchange control is distributed among a plurality of microprocessors
and in microprocessor terminal units connected to a time-division
switching network. The security system is organized on three levels:
(I) a first level comprising security means in each microprocessor
for detecting faults and for taking decisions concerning current
processing; (II) a second level comprising means for managing said
security blocks and for switching over from one block to another and
re-configuring the links affected by the switchover; and (III) a
third level comprising means for managing the microprocessors of the
exchange control means and the two point-to-point links, said third
level means comprising two identical peripheral control units
controlling respective mass memories each containing a copy of the
software needed to run the exchange.

8 Claims, 9 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 6

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

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☐ 1. Document ID: US 6072050 A

L1: Entry 1 of 4   File: USPT   Jun 6, 2000

US-PAT-NO: 6072050
DOCUMENT-IDENTIFIER: US 6072050 A

TITLE: Synthetic promoters

DATE-ISSUED: June 6, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowen; Benjamin A.	Des Moines	IA	N/A	N/A
Bruce; Wesley B.	Urbandale	IA	N/A	N/A
Lu; Guihua	Urbandale	IA	N/A	N/A
Sims; Lynne E.	Polk	IA	N/A	N/A
Tagliani; Laura A.	Akeny	IA	N/A	N/A

US-CL-CURRENT: 536/24.1; 435/320.1, 435/419, 435/468, 536/23.6, 536/24.2, 800/278, 800/295, 800/298

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

☐ 2. Document ID: US 4499575 A

L1: Entry 2 of 4   File: USPT   Feb 12, 1985

US-PAT-NO: 4499575
DOCUMENT-IDENTIFIER: US 4499575 A

TITLE: Group of terminal units for a digital exchange

DATE-ISSUED: February 12, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dupuis; Bernard	Montigny Le Bretonneux	N/A	N/A	FRX
Behague; Francois	Gif Sur Yvette	N/A	N/A	FRX

US-CL-CURRENT: 370/369; 370/387

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

□ 3. Document ID: US 4493076 A

L1: Entry 3 of 4   File: USPT   Jan 8, 1985

US-PAT-NO: 4493076
DOCUMENT-IDENTIFIER: US 4493076 A

TITLE: Security system for a distributed control exchange

DATE-ISSUED: January 8, 1985

INVENTOR-INFORMATION:
NAME   CITY   STATE ZIP CODE COUNTRY
Khimeche; Abdel-Cader   Chatenay Malabry   N/A   N/A   FRX
Kemler; Marc   Velizy-Villacoublay   N/A   N/A   FRX

US-CL-CURRENT: 714/11; 379/279, 379/284, 379/290

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

□ 4. Document ID: WO 200017353 A1, AU 9960413 A

L1: Entry 4 of 4   File: DWPI   Mar 30, 2000

DERWENT-ACC-NO: 2000-292842
DERWENT-WEEK: 200037
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TITLE: New nucleic acid encoding human uncoupled protein-4, useful
e.g for identifying metabolic regulators for treatment of obesity

INVENTOR: ADAMS, S; PAN, J ; ZHONG, A

PRIORITY-DATA: 1999US-0129674 (April 16, 1999), 1998US-0101279
(September 22, 1998), 1998US-0114223 (December 30, 1998)

PATENT-FAMILY:
PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200017353 A1	March 30, 2000	E	078	C12N015/12
AU 9960413 A	April 10, 2000	N/A	000	C12N015/12

INT-CL (IPC): C07K 14/47; C12N 15/12; C12Q 1/02; C12Q 1/68

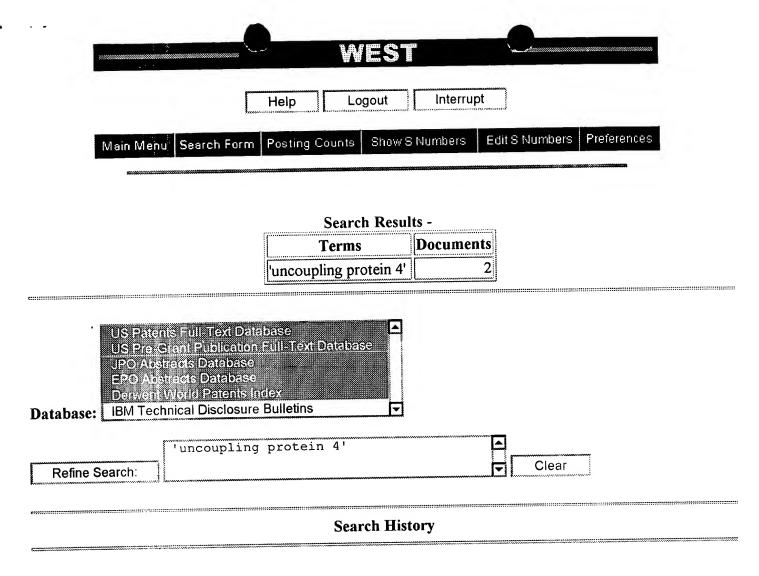| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

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Database: IBM Technical Disclosure Bulletins

'uncoupling protein 4'

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Search History

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